

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB2005/001369

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7): A61K-31/121, A61K-7/48, A61K-7/02, A61P-17/06, A61P-17/16, A61P-17/12, A61K-31/015  According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>  Minimum documentation searched (classification system followed by classification symbols) IPC <sup>7</sup> : A61K-31/121 A61K-31/12 A61K-31/11 A61K-7/48 A61K-7/02 A61P-17  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used) Delphion, Canadian Patent Database and PubMed  Keywords = oxid*, oxygen, caroten*, heptadienal, vitamin A, retinol, retinoic, skin, dermatol*, dandruff, psoriasis, eczema and related terms		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 93/15740 (Kligman, A. M.) 19 August 1993 (19.08.93) Abstract, pages 7-11, Claims and Examples	1, 6, 9, 10, 21, 24, 25, 28-30, 45 and 47
X	WO 96/34601 (Braiman, M. S.) 7 November 1996 (07.11.1996) Abstract, pages 6, 7 and 21, Claims and Examples 2 and 3	1, 10, 21-24 and 45
X	US 5,646,186 (Wang, J. C. T. et al.) 8 July 1997 (08.07.1997) Abstract, col. 1-3 and Claims	1-4, 10, 21, 26, 45 and 47
X	US 6,008,254 (Kligman, D. E. et al.) 28 December 1999 (28.12.1999) Abstract, col. 2-3 and Claims	1-4, 6, 7, 10, 21, 26, 27, 32, 45 and 47
X	US 6,544,532 (Jager-Lezer, N. et al.) 8 April 2003 (08.04.2003) Abstract, col. 6-8 and Claims	1, 3-5, 10, 21, 26, 45 and 47
A	CA 2,171,625 (Burton, G. et al.) 22 February 1996 (22.02.1996) entire document	1-48
A	CA 2,221,122 (Eliasz, I. et al.) 15 May 1998 (15.05.1998) entire document	1-48
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 7 September 2005 (07.09.2005)		Date of mailing of the international search report 6 October 2005 (06-10-2005)
Name and mailing address of the ISA/CA Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No.: 001(819)953-2476		Authorized officer Stephen Decker (819) 934-2333

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB2005/001369

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Morganti, P. et al. "Protective Effects of Oral Antioxidants on Skin and Eye Function" Skinmed 2004, 3, 310-316. entire document	1-48

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB2005/001369

## Box No. II Observations where certain claims were found unsearchable (Continuation of Item 2 of the first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons :

1. ☒ Claim Nos. : 21-44  
because they relate to subject matter not required to be searched by this Authority, namely :  
  
claims 21- 44 are directed to a method of treatment of the human or animal body (Rule 39.1 (iv) PCT), however, the search was carried out on the alleged effects of the composition.
2. ☐ Claim Nos. :  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically :
3. ☐ Claim Nos. :  
because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows :

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claim Nos. :
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claim Nos. :

**Remark on Protest** ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/IB2005/001369

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Continued on Supplemental Page

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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB2005/001369

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